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Friday, March 27, 49636

ISSUE: Volume 42, Number 39: June 10, 2005

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TOP STORIES

NASA, UND sign DC-8 agreement

NASA has signed a cooperative agreement with the University to house and operate the agency's DC-8 jet aircraft. The purpose of the agreement is to create a National Suborbital Education and Research Center (NSERC) at the university with the DC-8 suborbital laboratory as the centerpiece.

The agreement is intended to expand the science conducted using the DC-8 and enhance hands-on educational opportunities for students. The agreement is valued at \$25 million over a five-year period. Transfer of the aircraft to the university is targeted for fall 2005, pending completion of a safety review. The aircraft will be housed at the Grand Forks Air Force Base.

"We are extremely pleased to reach this agreement with the University of North Dakota," said Ghassem Asrar, NASA's deputy associate administrator for the Science Mission Directorate, Washington, D.C. "The DC-8 is a national asset, and we look forward to expanding its use in both the educational and research communities."

"We are delighted UND will be operating NASA's DC-8, a premier scientific resource, for the benefit of the entire world," said President Charles Kupchella. "This is a natural collaboration because of the strengths, abilities, and interests of our science and educational programs in environmental, atmospheric, aviation, and engineering sciences."

The DC-8 has been part of NASA science programs since 1986. It has supported satellite validation, Earth science studies, and the development of remote sensing techniques for space-based observing systems. It has operated from several NASA centers and deployed worldwide to support research including ozone depletion, tropical rainforest ecology, hurricane studies, and ice sheets. Its most recent campaign was to New England last January to support arctic ozone studies and validation of NASA's Aura satellite.

UND is home to the Northern Great Plains Center for People and the Environment, which will have oversight for the NSERC. The university is also home to the largest collegiate aviation program in the United States. UND's John D. Odegard School of Aerospace Sciences maintains and operates 120 aircraft throughout the country, including 80 aircraft in Grand Forks. The Odegard School supports aviation, atmospheric sciences, space studies and computer science education activities.

Through the agreement, the University will maintain, operate and manage educational and science flight missions. NASA retains operational control responsibilities including safety, airworthiness and mission management.

For more information about NASA and agency programs, visit <http://www.nasa.gov/home/>

University Letter lists summer schedule

University Letter will be published every other week during the summer. Publication dates are: **June 10 and 24, July 15 and 29, Aug. 12, 19, and 26.** The deadline for article submission remains at 1 p.m. the Tuesday before you wish the article published.

If you will be away for the summer and wish to suspend your paper or electronic subscription until fall, please contact me.

– Jan Orvik, editor, University letter, 777-3621, janorvik@mail.und.nodak.edu

Physics professor receives award

Her work in the new and ballooning field of nanotechnology has earned a prestigious Ralph E. Powe Junior Faculty Enhancement Award for physics professor Juana Moreno. Oak Ridge Associated Universities (ORAU) awarded only 26 young faculty members from throughout the nation with the award this year.

Moreno's work is directly connected to the search for new devices for processing and storing computer information — a search that she says is driven by the demand for smaller, faster, cheaper, more capable computers. As she wrote in support of her nomination for the award: "The process of converting signals from the magnetic storage unit (hard-disk) to the electric processing unit (CPU) increases both the size of the computer and its latency. This is an obstacle that needs to be overcome; spintronic devices sustaining spin-polarized currents hold the promise of integrating both storage and processing capabilities."

The answer is to remove the need to move from the hard drive to the CPU to process the information. The answer is spintronics, which utilizes the spin of the electrons to handle information. Current systems use an approach that allows for only two variables: on and off. Hence, the binary computer system of zeros and ones. But a spintronic approach would utilize four variables — a quaternary instead of a binary approach — which would significantly increase the speed of the processing, as well as decrease the amount of space needed for storage. That would be a win-win scenario, according to Moreno, who is working with ferromagnetic semiconductors.

But there are challenges. One problem is that the magnetism takes place at such low temperatures that currently liquid nitrogen is needed to provide enough cooling. “My research is to figure out how to increase the temperature at which the magnetism occurs — how to increase it to room temperature so that all of these possibilities can be explored,” Moreno said.

Moreno uses computer modeling through high-performance computing to explore the many variables involved. “My work is to explore the parameters to find out which are the best” she said. That’s a bit like Thomas Edison and his staff trying to find the right filament for the lightbulb, she conceded. For example, she has to explore different arrangements — different “sandwiches” — of ions.

Moreno and her colleagues — “it’s a collaboration process”— at Oak Ridge National Laboratory and elsewhere are doing basic research on spintronics. Their work will likely have commercial applications in the future, helping to dramatically increase the speed and reduce the size of computerized equipment we all will take for granted. But for now, Moreno is happy to be helping to solve the speed/storage capacity problem at the elemental level. And Oak Ridge Universities Associates, which has recognized the value of her work, is happy to lend her a helping hand.

TOP 

EVENTS TO NOTE

Retirement reception honors LaVonne Johnson

A retirement reception will be held in honor of LaVonne Johnson, administrative officer, Office of the Dean, School of Medicine and Health Sciences, from 2:30 to 3:30 p.m. **Tuesday, June 14**, at the School of Medicine and Health Sciences Vennes Atrium.

Johnson, who began at the medical school in August 1978, has worked in the departments of internal medicine, surgery, and the dean’s office. She is retiring after serving the medical school for almost 27 years. Please join us as we wish her well in her retirement.

— H. David Wilson, vice president for health affairs and dean

New exhibitions open at Museum

On **Tuesday, June 14**, the North Dakota Museum of Art will open Part II of a series of commissions and exhibitions in the Emptying Out of the Plains series. Jon Solinger of Moorhead was commissioned by the Museum to create a photo series on shelterbelts. He began working in black and white film but has added a second series of digital color photographs. Both series incorporate ideas of land usage along with a record of the life of trees in the Red River Valley. Shelterbelts, originally planted after the Dust Bowl era, are now fully mature. Row upon row of old trees are currently being removed to make way for contemporary agricultural practices, often replaced by new single-row stands of trees. Solinger documents all of these changes.

Kathryn Lipke-Vigessa, originally from Cooperstown, N.D., but now of Vermont and Montreal, will unveil her companion work, a half-hour documentary video about shelterbelts and the conflict between historic and contemporary farming practices.

Greg Blair, a recent MFA graduate of the art department, is creating a memorial to trees once thriving in North Dakota but now extinct. He will also build a museum model of a tree in the Museum Garden. In creating the work he asked himself how a museum would display a tree specimen. His answer: treat it like a dinosaur. Blair grew up south of Edmonton, Alberta, in the foothills of the Rocky Mountains.

Aganetha Dyck, a Manitoba artist from a Mennonite farm family, is creating a work in collaboration with a working hive of 50,000 bees. The bees will move between their vitrine-home inside of the museum and the out-of-doors. Their movements are fully controlled by the museum installation as they gradually turn a model of a deserted farmhouse into

a honeycomb work of art. Visitors to the Museum will be able to follow their work over the course of the summer. Her collaborator, Richard Dyck, will exhibit images made by placing his scanner inside the beehive to record firsthand the bees at work.

— North Dakota Museum of Art

Higher ed board meets June 16-17

The State Board of Higher Education will meet **Thursday and Friday, June 16-17**, at UND. An agenda is posted several days before the meeting at www.ndus.edu under State Board of Higher Education.

— Jan Orvik, editor

Space studies holds weekly star parties

Space studies will hold a weekly star party every Friday until late October 2005.

This year's theme, "Have dinner with the stars!" will provide Grand Forks area residents with weekly opportunities to enjoy the night sky, learn about astronomy and the universe in which we live, observe through a variety of telescopes, and learn about efforts to build North Dakota's first professional astronomical observatory. Participants will be able to purchase meals, drinks, and snacks at the observatory during every star party. Proceeds from these sales will go toward the observatory project.

The purposes of the star parties include educating the Grand Forks' community about the science and beauty of astronomy, fostering greater understanding of the relevance of astronomy to human society, and promoting space studies' efforts to build a large astronomical observatory.

Special star parties can also be arranged for community, civic, and business groups.

Star parties begin at dusk at the observatory. Drive west on Highway 2 about 10 miles. Just past mile marker 346, turn left onto a gravel road. After passing several homes and crossing railroad tracks, turn right at a T-intersection. Drive one-half mile and take the first left. The observatory is another one-half mile along this road on the left side. For more information, contact me.

— Paul Hardersen, space studies, at 777-4896, Hardersen@volcano.space.edu

Graduate school closed June 20

The graduate school will be closed Monday, June 20, for a day-long planning meeting.

— Joseph Benoit, dean, graduate school

U2 lists workshops

Below are U2 workshops for **June 27 - July 8**. Visit our web site for additional workshops. Reserve your seat by registering with U2 by phone, 777-2128; e-mail, U2@mail.und.nodak.edu; or [online, www.conted.und.edu/U2/](http://online.www.conted.und.edu/U2/). Please include workshop title and date, name, department, position, box number, phone number, e-mail address, and how you first learned of the workshop. Thank you for registering in advance; it helps us plan for materials and number of seats.

- **Records Disposal Procedures: June 27**, 10 to 11:30 a.m., 211 Skalicky Tech Incubator. During this workshop you will learn more about the process for destroying or transferring records that have passed their retention time limits. We'll review the forms used, discuss why it's necessary to document, and you will take part in a hands-on run-through of the entire process. It's fun to clean out, it's easier to do than you think, and now's the time to do it! Presenter: Chris Austin, records manager.
- **HTML, Creating a Web Page Using HTML: July 6 and 8**, 8:30 to 11 a.m., 361 Upson II (five hours total). Learn how to create a web page with Hyper-Text Markup Language, graphics, and links. Presenter: Doris Bornhoeft.
- **GroupWise 6.5, Beginning: July 7**, 10 a.m. to noon, 361 Upson II. Students will navigate through the GroupWise environment, create and send messages; reply to and forward messages; use the address book,

create a personal address book, create a mail group, work with calendar, schedule posted appointments and recurring events, work with junk mail folder and other mail handling features. Presenter: Heidi Strande.

— Julie Sturges, U2 program.

BORDERS training focuses on disasters

A BORDERS Alert and Ready training opportunity will be held **June 28-30**. We will provide “Core Concepts of Disasters and Terrorist Events: Medical Issues and Response” at Camp Grafton, Devils Lake. We have had numerous requests for this training, and are pleased to offer it at little or no cost to participants because of support from the North Dakota Department of Health.

Please share the news about this upcoming training with others in your workplace. Anyone wishing to register for the event may do so by logging on to the www.bordersalertandready.com web site. An electronic application form is found on the first page of the web site. Applications will be accepted until June 10.

If you have further questions, call (701) 780-5911.

— Sue Applegren, onsite training coordinator, School of Medicine and Health Sciences BORDERS project

Financial counseling available through TIAA-CREF

TIAA-CREF has posted dates for one-on-one counseling sessions **Tuesday through Thursday, June 28-30**. These 45-minute sessions with a consultant from the TIAA-CREF Denver regional office are available for you to discuss your current plan, tax sheltering, rollovers, investment performance or retirement options. To register for an appointment go to www.tiaa-cref.org, then go to **meetings/counseling** or call Jess Lentfer at 800-842-2009, ext. 2328.

— Payroll

UND to offer summer writing camp for teens

The English department and summer sessions is offering a two-week writing camp **July 11-22** for students who will be in grades 9-12 next fall. Participants will explore a variety of writing genres including fiction, memoir, poetry, scriptwriting and journalism. The camp will culminate in public readings at a local coffee shop.

Sessions will be from 1 to 4 p.m., with alternate days for additional writing time and home assignments. Camp directors are UND writing instructors Kate Sweney and Kathy Coudle King, both published writers.

Kathy Coudle King has written more than 20 plays, five screenplays, a published novel, Wannabe, and numerous essays and short stories. She has a BFA in dramatic writing from New York University and a MA in English from UND. She has been teaching in the English department since 1991 and in the women studies program since 1997.

Kate Sweney has worked as a journalist, technical writer, editor, public relations writer and teacher for more than 20 years. Her freelance articles have appeared in USA Today and True West magazine, among others. She co-edited Day In, Day Out: Women's Lives in North Dakota and was associate editor of Plainswoman magazine for several years.

Early bird registration of \$120 ends June 15. After June 15, the cost will be \$130.

For information, or to register, call 777-3321, 777-3322, or e-mail kathleen.king@und.nodak.edu or kathryn.sweney@und.nodak.edu.

Agenda items due for July 13 IRB meeting

The institutional review board will meet at 3 p.m. **Wednesday, July 13**, in 305 Twamley Hall to consider all research proposals submitted to the office of research development and compliance before Friday, July 1. Proposals received later will be considered only if a quorum has reviewed them and time permits.

Clinical medical projects must be reviewed by the clinical medical subcommittee before being brought to the full board.

Proposals for these projects are due in RD&C Friday, June 24.

Minutes from the meeting will be available in RD&C approximately one week after the meeting. – John Madden (communication sciences and disorders), chair, institutional review board.

Web conference focuses on harassment, correction

A web conference, “Best Practices in Harassment Prevention and Correction” will be **Thursday, July 14**, from noon to 2 p.m. in 305 Twamley Hall.

This web conference for administrators, deans, department chairs, and supervisors, is focused on preventing and correcting all types of unlawful harassment. Included will be discussion of legal protections for employees and students, liability issues, policy, complaint procedures, supervisory training, employee education, investigation processes, interviewing all parties, corrective action, and documentation.

Presenter is Jonathan A. Segal, Partner, Wolf, Block, Schorr and Solis-Cohen, LLP. Segal chairs Wolf/Block’s Higher Education Group and is well-known for his presentations on sexual harassment and discrimination issues in performance management.

It is sponsored on campus by the affirmative action office and the general counsel.

Pre-registration with University within the University (U2), 777-2128, U2@mail.und.nodak.edu. There is no cost.

The web cast will count as two hours of harassment training for 2005-2006.

– Affirmative action

Environmental engineering camp planned

An Environmental Engineering Camp will be held **Monday through Friday, July 25-29**, from 9 a.m. to noon for middle school students at the engineering school, Upson Hall II. Students will discover how environmental and chemical engineering basics affect our changing world in hands-on activities with UND engineering students. Cost is \$75 per student; register now and save \$25.

Registrations received by June 15 are just \$50. E-mail questions to director@dakota-science.org. Payments, including camper’s name, address, telephone number and e-mail address, should be sent to Dakota Science Center, PO Box 5023, Grand Forks, ND 58206. Please specify engineering camp. Look for us at the NOVAC booth at ArtFest for more summer program information.

– Jan Orvik, editor, for Laura Eider, Dakota Science Center

Aerospace to conduct aircraft accident investigation courses

The UND Aerospace Foundation and the Air Line Pilots Association, in a cooperative effort, will conduct two separate, two and one-half day aircraft accident investigation courses at the Grand Forks International Airport on June 7-9 and Aug. 30 to Sept. 1. The course is designed to provide an advanced level of instruction to individuals who may participate in aviation accident investigations conducted by the National Transportation Safety Board and the Federal Aviation Administration.

Over 30 airline pilots from around the U.S. and Canada are expected to participate in each course, which will use actual aircraft wreckage donated by a firm in California. The wreckage “site” will be recreated south of the flight operations facility and used specifically for investigative training techniques.

This course is also offered to a select group of aviation employees and a limited number of aviation students who have completed aviation safety courses at UND. Aviation aircraft manufacturers who have expressed interest in this type of course and training will also attend.

For further information, contact me. – Dana Siewert, UND Aerospace, director of aviation safety, 777-7895, siewert@aero.und.edu, or check out <http://www.aero.und.edu/>.

— UND Aerospace

ANNOUNCEMENTS

Jedlicka named interim chair of occupational therapy

Janet Jedlicka has been appointed interim chair of occupational therapy at the School of Medicine and Health Sciences.

Jedlicka will take over for Sue McIntyre, who is retiring June 30. McIntyre, who joined the UND OT faculty as an instructor in 1967, has served as chair of the department since 1981.

"Sue McIntyre is greatly responsible for the outstanding department with an excellent national reputation," said H. David Wilson, dean, School of Medicine, "and for producing more than 60 percent of the occupational therapists in North Dakota."

Jedlicka joined the OT faculty as an associate professor in January 2003. She came to UND from the Medical College of Georgia in Columbus, where she was an assistant professor of occupational therapy. Her area of interest is in teaching strategies.

"She is a proven leader," Wilson said, "and has significant administrative experience, including previously chairing an occupational therapy department. I'm confident the department will benefit from Dr. Jedlicka's leadership during this interim period."

Jedlicka, who grew up in Bismarck and graduated from Century High School there, earned a bachelor's degree in occupational therapy and a bachelor's degree in Spanish, both from UND in 1982. She holds a master's degree in occupational therapy, specializing in mental health, earned in 1988 from New York University. She completed her doctoral degree in higher education and leadership in 1995 at the University of Mississippi.

UND's OT program provides education leading to a Master of Occupational Therapy degree. Its faculty also offers a satellite degree program, developed and launched in 1992, in cooperation with Casper, Wyo., College.

An eight-member search committee, headed by Ed Carlson, professor and chair of anatomy and cell biology, is in the process of seeking and reviewing applications for a permanent chair of occupational therapy.

— School of Medicine and Health Sciences

Homestay families needed

ELS language centers have opportunities available for individuals and families to host international students for a period of four weeks to one year. Host families provide the student with a private room, meals, and transportation to and from UND. Families receive \$460 per month to host ELS students. Please contact Joni Duckworth at (701) 746-6613.

ELS English language centers is an intensive English language program that provides classes for students seeking to build academic skills necessary to enter a U.S. university. Further, this program can serve to help recruit international students to UND or other universities by allowing them access to intensive language programs on college campuses before they have achieved the language skills necessary for entry into higher education. ELS also serves businesses seeking to train employees with the language skills needed for international business goals or for non-native English speakers needing to upgrade their language proficiency. Students passing ELS level 112 can gain entry into UND without taking the TOEFL. For more information about ELS, please contact me.

— Jill Shafer, director, ELS language centers, 777-6785

All departments, units required to comply with web standards

As part of a continuing effort to establish a consistent identity for the University and increase access for people with disabilities, all departments and units are required to comply with mandatory web standards by July 1, 2005. Faculty home pages and student organizations are exempt from the requirements. The standards, developed at the request of and approved by the President and his Cabinet, will ensure that UND web sites promote a sense of University identity and reflect the quality of UND. They also require compliance with federal and state laws regarding accessibility for

people with disabilities. The requirements are detailed at <http://www.und.edu/template/standards.html>.

The Internet has become a primary source of information. In fact, it's now the second-most important determinant of whether a student will choose an institution (first remains a campus visit). We know, too, that it is an important source of information for those who are seeking information about UND for a variety of reasons. Accreditation teams, prospective employees, state and federal officials, prospective donors, external granting agencies, and the national news media are but a few examples. The UND home page alone receives nearly 700,000 "hits" each month, while the entire UND site receives more than 28.5 million. This means that people are finding UND sites through search engines and external links. Web standards will ensure that users know they're on a UND site and allow consistent navigation. Accessibility is the law, and these standards will assure compliance.

To ease the transition, templates have been developed for use by departments. The University relations office is happy to assist departments and units with template implementation, and we'll even come to your office to train your web person. Contact me at 777-3621 or janorvik@mail.und.nodak.edu for more information or to set up an appointment for training.

— Jan Orvik, web manager, University relations

Television Center offers assistance with new web standards

By July 1, UND departments are required to comply with new web standards, requirements for which can be found at www.und.edu/template/standards.html.

The UND Television Center offers web conversion services for departments that need help implementing the new standards. The Television Center charges a fee for web development, design work and maintenance. For more information on web services, contact Director Barry Brode at 777-4346 or at tv@und.edu.

The television center also assists departments in marketing their programs through its creative services division. Broadcast quality commercials and promotional video services can help your programs build enrollment. For information or written estimates contact the Television Center at 777-4346.

— Barry Brode, director, Television Center

Please return wellness assessments

Hopefully you have all received your campus wellness assessments via intercampus mail. The results of the assessments will assist us greatly in providing the best possible wellness programming for the entire UND community.

As a sign of our appreciation, we will include the names of all those returning the assessment in a drawing for a bike and helmet package valued at over \$300! The assessment will take 10 to 15 minutes to complete and may be returned free through intercampus mail to the wellness center, Box 8365, by **Wednesday, June 15**.

There was some confusion in the printing process and the campus addresses were stamped on the back of the blue return sheet. It is not our desire to match any names with completed assessments. Please feel free to discard the blue page and simply return the assessment to the wellness center. For those of you who have already returned the assessment, the blue page will simply be destroyed. If you have any questions or comments, please feel free to contact Scott Doty at 777-2943.

— Wellness center

Construction projects begins June 13

Two construction projects are tentatively scheduled to begin the week of the **June 13**.

A new storm sewer will extend from the north end of Odegard Hall, south along Tulane Drive, east through the facilities parking lot, down Manitoba Ave., then across Stanford Road and through the Chester Fritz parking lot, across Yale Drive into the English Coulee.

The second project, installing new electrical distribution, will take place along Campus Road (north side next to Upson I and II and Leonard) beginning at the visitor parking lot, extending east to Cornell Street and across to the south end of Starcher Hall.

– Facilities

Community volunteers sought

Volunteer needs don't stop when the students leave campus. The following volunteer opportunities are available for interested persons: the Salvation Army needs help unloading the food truck on **Monday, June 13**; call 775-2597 for details. The Chamber of Commerce is collecting DVDs to send to the ND Army National Guard F Battery Troops - the DVDs need to be PG - NC 17 rated, no bootlegs, or they can be books on DVD. Please bring your donations to the Volunteer Bridge office on or before **June 14** and they will be delivered to the Chamber June 15. The Empire Arts Center is seeking volunteers to help with theatrical productions. Please call Mark at 746-5500 for details. The Salvation Army's back-to-school supplies drive is under way and donations can be left at the Volunteer Bridge office. All donations must be received on or before Aug. 11 for delivery to the Salvation Army office the next day. The Volunteer Bridge office is Room 113A on the main floor of the Memorial Union. For more information, please contact me.

— Linda Rains, coordinator, volunteer services and programming, 777-4076

Empire Arts Center to host second Summer Sounds series

The Empire Arts Center will host four live music productions in June and July to showcase local artists and their talents. The Summer Sounds series is seeking jazz, blues, folk, and rock artists who are interested in performing for the Greater Grand Forks community. Although the musicians will be unpaid, this is a great opportunity for local artists to get experience and for their music to be heard.

The Summer Sounds series was started in 2004 to provide an opportunity for local musicians, especially those that do not usually have a place to perform. Shows will be held on four consecutive Tuesdays in June and July. Between two and four soloists or groups will perform each evening.

If you are interested in performing, please contact Erika or Mark at (701) 746-5500 or empireartscenter@prodigy.net.

— Empire Arts Center

Donated leave requested for Gerald Frolich

Leave donations are sought for Gerald Frolich, building services technician, facilities. He and his family thank you for your generosity.

Please send a donated sick leave form to Patti Schmidt, Box 9032 if you are interested in donating leave (you can get the form by going to the Payroll Office web site at www.und.edu/dept/payroll, then click on forms).

– Patti Schmidt, facilities

Eat outside at the Dakota Deli Courtyard Café

Join us outside on the Swanson Courtyard again this summer. Enjoy your favorites grilled on-site including bratwurst, Polish sausages, cheddarwurst, chicken sandwiches, veggie burgers and shredded BBQ beef. Side salads and beverages will also be available.

Hours are Monday through Friday, 10:30 a.m. to 1:30 p.m., weather permitting. You may call 777-6440 to confirm opening if the weather is questionable.

– Dining services

Donations of used books, media sought

The American Association of University Women (AAUW) needs your used, donated books, working CDs, DVDs, VHS tapes, and records, etc. Please drop off at: 2420 Ninth Ave. N., Grand Forks, or call one of the following numbers: 772-0247, 772-1622, 775-9468, or 795-9808 for pick-up.

– Dianne Stam, University Learning Center, 777-4406, for AAUW

Volunteers sought for nutrition/memory study

In collaboration with James Penland of the Grand Forks USDA Human Nutrition Research Center and Patricia Moulton of the UND Center for Rural Health, we are recruiting younger adults, age 21 to 35, and older adults, age 60 to 80, to participate in a study of the effects of nutritional status on age differences in memory performance. The study takes about three hours to complete. The testing will occur at the Human Nutrition Research Center in Grand Forks. You will be paid \$25 for your participation.

Your scores will be completely confidential and will not be associated with your name; you will be given a subject number and your name will not be used. Participation will be limited to those without any previous history of a stroke, multiple sclerosis, or Parkinson's disease. If you are interested in scheduling a time to participate or in finding out more about the study, please call Brian VanFossen at 777-9925.

– Tom Petros, professor of psychology

Volunteers sought for study on beans and health

The Grand Forks Human Nutrition Research Center is seeking men and women, ages 18 to 55, for a 16-week nutrition study that will determine how the addition of beans to a diet can affect colon health. Earn up to \$1,000. Colon cancer is the second most common form of cancer in the United States and is closely associated with dietary factors.

The study is open to smokers and non-smokers, women who are on birth control pills, and people of all weights. One group of participants will be allowed to be on medications to treat diabetes, high blood pressure and high cholesterol. The men in this group must have waist sizes greater than or equal to 38 inches. The women in this group must have waist sizes greater than or equal to 35 inches.

A second group of participants with waist sizes smaller than 38 inches (for men) and 35 inches (for women) must be on NO medications other than birth control pills for women.

During the course of the study, participants will continue to eat the meals and drink the beverages they enjoy with minor restrictions. For 12 weeks of the 16-week study, they will eat an additional entrée each day, provided by the Center. The entrée will either be a non-bean meal or contain a standard serving of beans, half a cup.

For more information, please call 795-8396 or apply online at www.gfhnrc.ars.usda.gov.

— Brenda Ling, Grand Forks Human Nutrition Research Center

Children's Center now offers toddler care

The University Children's Center, which is located on campus at 525 Stanford Road, now offers toddler care, (2-year olds). Applications are currently being accepted for all age groups: 2-5. Children are cared for in small groups by teachers with degrees in early childhood education or a related field. A day at the University Children's Center includes a USDA approved breakfast, lunch, snack, a choice of rest or nap time, planned large and small group activities, and opportunities to play outdoors. Parents are always welcome to join their children for part of the day.

Toddler rates (2-3 year olds): full day, \$25; half day, \$20.

Pre-school rates (3-5): full day, \$22; half day, \$16; Head Start p.m., \$18; hourly rate, \$3 for additional care); academic year registration fee, \$30; summer registration fee, \$20.

For additional information, please call 777-3947. You may also visit the UCC web site at www.childrenscenter.und.edu.

— JoAnne Yearwood, director, University Children's Center

Campus walking trail maps available

Enjoy walking? Feel stressed and need a break? Want to get in shape? Want to become renewed and invigorated when

outside? Check out the new walking trails on campus.

The physical wellness subcommittee, along with Rick Tonder, associate director of facilities, has created 14 walking/running trails for the UND campus. The trails, approximately one mile in length, cover most regions of campus and can be interconnected for a 5-10 mile walk. Three of the trails are indoor routes for year-round use. The

School of Medicine loop even includes stair climbing to increase the workout.

Maps are available at the Wellness Center and Memorial Union and online at <http://wellness.und.edu/wellness>.

Obesity and poor fitness are health crises in America. College campuses are not immune. Let's lower the risk at UND. Get active, get fit, and get healthy. See you on the trails.

– Wellness Center, 777-6476



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